

PLANNING & PROGRAMMING DIVISION  
PLANNING RESEARCH SECTION  
TRAFFIC ANALYSIS UNIT

TAU 3071

T. H. 94

Pillsbury St. to Snelling Ave.  
in St. Paul

Prepared: July, 1964

MINNESOTA HIGHWAY DEPARTMENT

U.S. DEPARTMENT OF COMMERCE  
BUREAU OF PUBLIC ROADS



# Highway Planning & Programming

T. S. Thompson

July 14, 1964

Johan Nygaard

T. H. 94 S. P. 6282 Pillsbury St. to Snelling Ave.

This report is transmitted in response to your May 6, 1964 request for 1975 ADT DHV and HCADT for the project location as shown on the map on page 2. The ADT and DHV have been transmitted in TAU 331 on May 27, 1964. The HCADT in this report is attendant to the 1975 ADT in TAU 331.

For each segment numbered on the map on page 3, the following data are tabulated on the forms on pages 4 and 5:

- (a) Vehicle Type Distribution
- (b) Total ADT
- (c) Total Heavy Commercial ADT

University Avenue, west of Prior, which is the parallel location to the segment of T. H. 94 having the 1975 ADT, has a 1963 ADT of 33,246.

The Basic Data, Method and Assumptions are presented on page 6.

This report was requested by B. L. Warzala for Al Wicklund.

JN:sk

## STATE OF MINNESOTA DEPARTMENT OF HIGHWAYS WORK MAP



Base Map Prepared by the Planning and Programming Division Jan. 1, 1964



TRAFFIC ESTIMATE DATA

DESIGN YEAR 1975 PART 1 OF 2

FOR

T.H. 94 S.P. 6282 LENGTH ----- MILES  
COUNTY Ramsey LOCATION Pillsbury St. to Snelling Ave.

BASED ON

1975 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS  
DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	12494	2164	6939	6739	8904	3993	8596	5085	4785	2912	3112
1	720	116	355	355	498	160	922	406	406	225	225
2	118	18	59	59	80	22	108	49	49	28	28
3	530	91	199	199	82	8	700	257	257	99	99
4	260	45	99	99	48	7	258	96	96	38	38
5	342	59	131	131	62	2	430	160	160	60	60
6	36	7	18	18	26	8	186	47	47	38	38
TOTAL ADT	14500	2500	7800	7600	9700	4200	11200	6100	5800	3400	3600
TOTAL H. COMM. ADT	2006	336	861	861	796	207	2604	1015	1015	488	488
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

\* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS      4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS      5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
2 = SINGLE UNIT-3 AXLE TRUCKS              6 = BUSES AND TRUCKS WITH TRAILERS  
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1975 PART 2 OF 2

FOR

T.H. 94 S.P. 6282 LENGTH ----- MILES  
COUNTY Ramsey LOCATION Pillsbury St. to Snelling Ave.

BASED ON

1975 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 13 AS  
DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	12	13									
0	12194	5750									
1	800	192									
2	102	16									
3	24	20									
4	18	4									
5	18	14									
6	144	4									
TOTAL ADT	13300	6000									
TOTAL H. COMM. ADT	1106	250									
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

\* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS      4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS      5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
2 = SINGLE UNIT-3 AXLE TRUCKS              6 = BUSES AND TRUCKS WITH TRAILERS  
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES



Basic Data, Method and Assumptions

The following basic data were used to obtain the 1975 vehicle type estimate for the subject location:

- 1) Six-hour vehicle classification counts recorded on Prior, north and south of University Avenue, and on Vandalia north and south of University Avenue in June, 1964.
- 2) Three-hour vehicle classification counts recorded on Cleveland, south of University Avenue, and on Fairview, north of University Avenue in June, 1964.

These counts were expanded to 24 hour counts by relating them to a 16-hour vehicle classification recorded on University Avenue, west of Rice Street, in 1963 and to the 24 hour counts recorded at the continuously operated traffic recorder on T. H. 12 east of St. Paul.

The 1975 vehicle type estimates were obtained by the use of the statewide trends in vehicle types.

It was assumed that the trucks which now turn on University Avenue both from the north and south on Prior and Vandalia would gravitate towards T. H. 94.